

217/782-2113

CONSTRUCTION PERMIT -- NSPS SOURCE -- GENERAL

PERMITTEE

Johnson Controls Battery Group, Inc.
Attn: Tom Schoen
300 South Glengarry Drive
Geneva, Illinois 60134

Application No.: 99110090

I.D. No.: 089035AAF

Applicant's Designation: MIXERSABC

Date Received: November 24, 1999

Subject: Lead Paste Mixers

Date Issued: February 1, 2000

Location: 300 South Glengarry Drive, Geneva

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of 3 lead paste mixers (A, B, and C) with dust collection as described in the above referenced application. This Permit is subject to standard conditions attached hereto and the following special conditions:

- 1a. The three (3) lead paste mixers are subject to a New Source Performance Standard (NSPS) for lead battery manufacturing, 40 CFR 60, Subparts A and KK. The Illinois EPA is administering NSPS in Illinois on behalf of the United States EPA under a delegation agreement.
- b. At all times, the Permittee shall also, to the extent practicable, maintain and operate the three (3) lead paste mixers, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions.
- 2a. From any paste mixing facility any gases that contain in excess of 1.00 milligram of lead per dry standard cubic meter of exhaust (0.00044 gr/dscf) pursuant to 40 CFR 60.372(a)(2).
- b. From any affected facility other than a lead reclamation facility any gases with greater than 0 percent opacity (measured according to Method 9 and rounded to the nearest whole percentage) pursuant to 40 CFR 60.372(a)(7).
- 3a. The emissions of Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a Clean Air Act Permit Program Permit (CAAPP), and Section 112(G) of the Clean Air Act.

- b. This permit is issued based on negligible emissions of particulate matter from 3 lead paste mixers with dust collection. For this purpose emissions from each emission source, shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/yr.
- c. This permit is issued based on negligible emissions of lead from 3 lead paste mixers with dust collection. For this purpose emissions from each emission source, shall not exceed nominal emission rates of 0.01 lb/hour and 0.044 ton/yr.
- 4. The Permittee shall maintain monthly records of the following items:
 - a. Material type and usage in the lead paste mixers (lb/mo, ton/yr); and
 - b. Lead emissions (lb/mo, lb/yr).
- 5. The 3 lead paste mixers may be operated for a period of 180 days after completion of construction, under this construction permit.
 - a. Within 60 days after achieving the maximum production rate at which the 3 lead paste mixers will be operated, but not later than 180 days after completion of its construction, the lead concentration(s) in its effluent stream shall be measured by an approved testing service.
 - b. Performance tests shall be conducted and data collected in accordance with the test methods and procedures specified in 40 CFR 60.374 and 35 Ill. Adm. Code 183.
 - c. At least thirty (30) days prior to the actual date of testing, a written test plan shall be submitted to the Illinois EPA for review and approval. This plan shall describe the specific procedures for testing including as a minimum:
 - i. The person(s) who will be performing sampling and analysis and their experience with similar tests.
 - ii. The specific conditions under which testing will be performed, including a discussion of why these conditions will be representative of the maximum emissions, the levels of operating parameters at or within which compliance is intended to be shown, if applicable, and the means by which the operating parameters for the process and any control equipment will be determined.
 - iii. The specific determination of emissions and operations which are intended to be made, including sampling and monitoring locations.

- iv. The test method(s) which will be used, with the specific analysis method.
- v. Any minor changes in standard methodology proposed to accommodate the specific circumstances of testing, with justification.
- vi. Any proposed use of an alternative test method, with detailed justification.
- vii. The format and content of the Source Test Report prior to carrying out these tests, the Illinois EPA shall be notified a minimum of sixty (60) days prior to the scheduled date of these tests with the exact date, time, and place of these tests, to enable the Illinois EPA to witness these tests.

If the scheduled date for the test is changed for unforeseen reasons, the Permittee shall inform the Illinois EPA within five (5) working days of the scheduled test date and must specify the date of the rescheduled test.

A copy of the Final Report(s) for these tests and compliance status shall be submitted to the Illinois EPA within fourteen (14) days after the test results are compiled and finalized, prior to or accompanying the operating permit application. Satisfactory completion of these tests and compliance with the limitations of this permit shall be prerequisite to the issuance of an operating permit.

- viii. A statement that the testing will be performed by a qualified independent testing service.
- 6. The Permittee shall fulfill applicable notification and recordkeeping requirements of the NSPS, 40 CFR 60.7.
 - 7. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

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Illinois Environmental Protection Agency
Division of Air Pollution Control
Eisenhower Tower
1701 South First Avenue
Maywood, Illinois 60153

If you have any questions on this, please call Eric Jones at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:EEJ:psj

cc: Illinois EPA, FOS, Region 1
Illinois EPA, Compliance Section
Lotus Notes